



Quotation Number	09891/01-DE	Item	1
Product	Three Spindle Pump	Product Type Code	L3MF-052/104-IFOKSO-G

Design and Operating Conditions

Transfer of Lube Oil

description		OP 1	OP 2	OP 3
Viscosity	mm ² /s	2000	320	75
Temperature	°C	15	40	70
Flow Rate	l/min	182	179	173
Discharge Pressure	bar	16	16	16
Suction Pressure	bar	0	0	0
Differential Pressure	bar	16	16	16
Speed	rpm	1450	1450	1450
NPSH required	mWC	5.6	3.1	2.5
Power Demand	kW	9.2	6.9	6
Efficiency (vol.)	%	98.9	97.3	94.3
Efficiency (mech.)	%	53.2	70.9	81.6
Sound Pressure Level	dB(A)	63	63	63

Pump Installation dry installation

Applicable Standards and Specifications Leistritz Standard Procedures based on DIN/EN-Standards

Design

Bearing	internal bearing, lubricated by pump fluid
Mounting	flanged (horizontal or vertical set-up)
Heating	without heating
Mounting Flange	small mounting flange
Inlet - Outlet	discharge and suction side flanged connections
Safety Valve	without valve
Shaft Sealing	mechanical seal
Sense of Rotation	clockwise
Flow Direction	side by side. from top, seen on the pump shaft
Deaeration Design	without

Materials

Pump Casing	aluminium, DIN Code: 3.2315.72
Screws	16MnCrS5, DIN Code: 1.7139 nitrided
Cover Driving Side	C45, DIN Code: 1.0503
Cover NonDriving Side	GGG40, DIN Code: 0.7040
Liner	-
Bearing Bushes	-
Contact Surface Coating	-
Valve Casing	-
Flat Seal	Centellen
Bearing Casing	-
Sealing Casing	-

Shaft Sealing

Seal Face	Carbon
Static Face	Silicon Carbide
Secondary Seals	Viton



Quotation Number	09891/01-DE	Item	1
Product	Three Spindle Pump	Product Type	L3MF-052/104-IFOKSO-G
		Code	

Spring	Stainless Steel
Metal Parts	Stainless Steel
Design	Single Acting Unbalanced Independent of Direction of Roatation without special flushing
Manufacturer	John Crane
Type	58U

Major Connections

Discharge Flange	SAE; 3000 PSI; 1 1/2";
Suction Flange	SAE; 3000 PSI; 2 1/2";

Painting und Preservation

Painting	Leistritz Standard Painting for Temperatures up to 100°C, total dft 60 µm.
Colour Final Layer	RAL 7031

Pump Driver

Not included in Scope of Supply

Accessories

no accessories included

Documentation and Certification Pump / Skid

Standard Performance Test with Test Bench Motor
Hydrostatic Pressure Test of the Pump Casing



Quotation Number	09891/01-DE	Item	2
Product	Three Spindle Pump	Product Type Code	L3MF-060/096-IFOKSO-G

Design and Operating Conditions

Transfer of	ISO VG 320		
description		OP 1	OP 2
Viscosity	mm ² /s	1500	320
Temperature	°C	20	40
Flow Rate	l/min	223	220
Discharge Pressure	bar	20	20
Suction Pressure	bar	0	0
Differential Pressure	bar	20	20
Speed	rpm	1450	1450
NPSH required	mWC	4.7	3
Power Demand	kW	12.1	10
Efficiency (vol.)	%	98.8	97.5
Efficiency (mech.)	%	62.1	75.2
Sound Pressure Level	dB(A)	64	64
Pump Installation	dry installation		
Applicable Standards and Specifications	Leistritz Standard Procedures based on DIN/EN-Standards		

Design

Bearing	internal bearing, lubricated by pump fluid
Mounting	flanged (horizontal or vertical set-up)
Heating	without heating
Mounting Flange	small mounting flange
Inlet - Outlet	discharge and suction side flanged connections
Safety Valve	without valve
Shaft Sealing	mechanical seal
Sense of Rotation	clockwise
Flow Direction	side by side. from top, seen on the pump shaft
Deaeration Design	without

Materials

Pump Casing	aluminium, DIN Code: 3.2315.72
Screws	16MnCrS5, DIN Code: 1.7139 nitrided
Cover Driving Side	C45, DIN Code: 1.0503
Cover NonDriving Side	GGG40, DIN Code: 0.7040
Liner	-
Bearing Bushes	-
Contact Surface Coating	-
Valve Casing	-
Flat Seal	Centellen
Bearing Casing	-
Sealing Casing	-

Shaft Sealing

Seal Face	Carbon
Static Face	Silicon Carbide
Secondary Seals	Viton



Quotation Number	09891/01-DE	Item	2
Product	Three Spindle Pump	Product Type Code	L3MF-060/096-IFOKSO-G

Spring	Stainless Steel
Metal Parts	Stainless Steel
Design	Single Acting
	Unbalanced
	Independent of Direction of Roatation
	without special flushing
Manufacturer	John Crane
Type	58U

Major Connections	
Discharge Flange	SAE; 3000 PSI; 2 1/2";
Suction Flange	SAE; 3000 PSI; 3";

Painting und Preservation

Painting	Leistritz Standard Painting for Temperatures up to 100°C, total dft 60 µm.
Colour Final Layer	RAL 5021

Pump Driver

Not included in Scope of Supply

Accessories

no accessories included

Documentation and Certification Pump / Skid

Standard Performance Test with Test Bench Motor
Hydrostatic Pressure Test of the Pump Casing
